

Appl. No. : 10/718,374  
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### AMENDMENTS TO THE CLAIMS

A complete set of claims is provided herewith.

Please add new Claims 19-35 as indicated below:

1. (Previously Presented) A repeater for mounting to an electrically powered fluorescent light fixture, said repeater unit comprising:
  - a transceiver unit;
  - a first power supply electrically coupled to said transceiver unit; and
  - a plug configured to mate with a fluorescent light fixture socket; and
  - a housing unit for housing the transceiver and first power supply, wherein said plug is provided to said housing unit.
2. (Previously Presented) The repeater in accordance with Claim 1, wherein said first power supply includes a rechargeable power storage module, said module being recharged by said electrical power when supplied to said fluorescent light fixture socket.
3. (Previously Presented) The repeater in accordance with Claim 1, wherein said first power supply includes a rechargeable power storage cell and a power charger, said power charger recharging said rechargeable power storage cell when electric power is supplied to said fluorescent light fixture socket.
4. (Previously Presented) The repeater in accordance with Claim 1, wherein said housing unit further includes at least one fluorescent light socket.
5. (Previously Presented) The repeater in accordance with Claim 1, wherein said housing unit comprises a first mating structure for mechanically installing into said fluorescent light fixture.
6. (Previously Presented) The repeater in accordance with Claim 1, wherein said housing unit further comprises a fluorescent light socket for maintaining said fluorescent light fixture functionality.
7. (Previously Presented) The repeater in accordance with Claim 1, wherein said first power supply is powered-on when said fluorescent light fixture is powered-off.

8. (Previously Presented) The repeater in accordance with Claim 1, wherein said first power supply is powered-off when said fluorescent light fixture is powered-on.

9. (Previously Presented) The repeater in accordance with Claim 1, wherein said first power supply is being recharged when said fluorescent light fixture is powered-on.

10. (Previously Presented) The repeater in accordance with Claim 1, wherein said first power supply is adapted to provide power to said transceiver unit even when electrical power is unavailable to the fluorescent light fixtures.

11. (Previously Presented) The repeater in accordance with Claim 1, wherein said fluorescent light fixture is located in an apartment building and a transducer sends a signal to said electrically powered fixture.

12. (Original) A repeater in accordance with Claim 1, wherein said transceiver unit receives a signal from at least one transducer and re-transmits said signal to a base station.

13. (Original) A repeater in accordance with Claim 1, wherein said housing unit is adapted to insert into an exit sign.

14.-17. (Canceled)

18. (Previously Presented) A method for relaying a transducer signal to a base station comprising:

housing a transceiver and first power supply in a housing having a connector configured to connect to a fluorescent light socket in a fluorescent light fixture;

connecting the connector to said fluorescent light socket in said fluorescent light fixture;

receiving a signal;

transmitting a signal;

providing power from said fluorescent light socket in said fluorescent light fixture to recharge said first power supply; and

when power is not available from said second power supply fluorescent light socket in said fluorescent light fixture, providing power to said transceiver circuit from said first power supply.

19. (New) A repeater, comprising:

a transceiver unit;

a rechargeable power supply electrically provided to said transceiver unit; and

a housing unit for housing said transceiver and said rechargeable power supply, said housing including a lamp base, wherein an electrical connection is provided from said lamp base to a light socket such that said light socket receives electrical power from said lamp base, said light socket disposed at a base of a cavity in said housing, said cavity configured to receive at least a portion of a light bulb, said housing unit configured to reduce a distance between said lamp base and said light socket by disposing at least a portion of said rechargeable power supply beside said cavity.

20. (New) The repeater of Claim 19, wherein said rechargeable power supply is provided to said lamp base.

21. (New) The repeater of Claim 19, further comprising a heat shield disposed in said cavity.

22. (New) The repeater of Claim 19, wherein said rechargeable power supply comprises one or more rechargeable batteries.

23. (New) The repeater of Claim 19, wherein a shape of said housing is substantially conformal to at least a portion of a light bulb.

24. (New) The repeater of Claim 19, wherein said transceiver is powered by electrical power from said lamp base when said lamp base receives electrical power.

25. (New) The repeater of Claim 19, wherein said transceiver is powered by electrical power from said rechargeable power supply when electrical power is not available from said lamp base.

26. (New) The repeater of Claim 19, wherein said rechargeable power supply is recharged by at least a portion of electrical power provided to said lamp base.

27. (New) The repeater of Claim 19, wherein said transceiver unit receives a signal from at least one transducer and re-transmits said signal to a base station.

28. (New) The repeater of Claim 19, wherein said lamp base comprises a candelabra lamp base.

29. (New) The repeater of Claim 19, wherein said cavity is configured to receive at least a portion of an R30 type bulb.

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30. (New) A repeater, comprising:  
a transceiver unit;  
a rechargeable power supply electrically provided to said transceiver unit; and  
a housing unit for housing said transceiver and said rechargeable power supply, said housing including at least one standard electrical power plug configured to plug into a standard wall outlet, wherein an electrical connection is provided from said at least one plug to at least one standard electrical socket, and wherein said rechargeable power supply is provided to said plug.
31. (New) The repeater of Claim 30, wherein said rechargeable power supply comprises one or more rechargeable batteries.
32. (New) The repeater of Claim 30, wherein said transceiver is powered by electrical power from said plug when said plug receives electrical power.
33. (New) The repeater of Claim 30, wherein said transceiver is powered by electrical power from said rechargeable power supply when electrical power is not available from said plug.
34. (New) The repeater of Claim 30, wherein said rechargeable power supply is recharged by at least a portion of electrical power provided to said plug.
35. (New) The repeater of Claim 30, wherein said transceiver unit receives a signal from at least one transducer and re-transmits said signal to a base station.

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Summary

Applicants respectfully assert that newly-added Claims 19-29 are patentable over the prior art, and Applicants request allowance of Claims 19-29. If there are any remaining issues that can be resolved by telephone conference, the Examiner is invited to call the undersigned attorney at (949) 721-6305.

Respectfully submitted,

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